

**What is claimed is:**

1           1. An exercise device, comprising:  
2           a wheel type treadmill having a plurality of  
3           footplates disposed on a wheel;  
4           a roller shaft, coupled to the wheel;  
5           a panel, coupled to the wheel type treadmill for  
6           setting operation modes; and  
7           a display unit, coupled to the panel, receiving  
8           video information and displaying environmental  
9           simulation.

1           2. The exercise device as claimed in claim 1,  
2           wherein the footplates are disposed on each side of the  
3           wheels, rotating with the roller shaft.

1           3. The exercise device as claimed in claim 1,  
2           further comprising a sensor, disposed on the wheel type  
3           treadmill and coupled to the roller shaft, detecting  
4           rotational speed of the roller shaft.

1           4. The exercise device as claimed in claim 1,  
2           further comprising an input device, coupled to the panel;  
3           and a processing unit disposed in the panel to control  
4           the operation modes according to rotational speed.

1           5. The exercise device as claimed in claim 4,  
2           further comprising a controller, coupled to the  
3           processing unit and the wheel type treadmill, wherein  
4           when the processing unit receives a command from the  
5           input device, a signal is sent to a controller to control  
6           the wheel type treadmill.

1           6. The exercise device as claimed in claim 1,  
2 further comprising a personal display device, with the  
3 display unit disposed therein, coupled to the panel.

1           7. An exercise device, comprising:  
2 a wheel type treadmill, having footplates, disposed  
3 on a wheel;  
4 a roller shaft, coupled to the wheel;  
5 a panel, coupled to the treadmill, for setting  
6 operation modes;  
7 an environmental simulation display device, coupled  
8 to the panel, receiving simulated information  
9 from the processing unit and displaying the  
10 same.

1           8. The exercise device as claimed in claim 7,  
2 wherein the footplates are disposed on each side of the  
3 wheel, rotating with the roller shaft.

1           9. The exercise device as claimed in claim 7,  
2 further comprising a sensor, disposed on the wheel type  
3 treadmill and coupled to the roller shaft, detecting  
4 rotational speed of the roller shaft.

1           10. The exercise device as claimed in claim 7,  
2 further comprising an input device, coupled to the panel;  
3 and a processing unit, disposed in the panel to control  
4 the operation modes according to rotational speed.

1           11. The exercise device as claimed in claim 10,  
2 wherein further comprising a controller, coupled to the  
3 processing unit and the wheel type treadmill, wherein

when the processing unit receives a command from the input device, a signal is sent to a controller to control the wheel type treadmill.

12. An exercise device, comprising:

a wheel type treadmill having a plurality of footplates disposed on a wheel;  
a roller shaft, coupled to the wheel;  
a panel, coupled to the wheel type treadmill for setting operation modes; and

13. The exercise device as claimed in claim 12, wherein the footplates are disposed on each side of the wheels, rotating with the roller shaft.

14. The exercise device as claimed in claim 12, further comprising a sensor, disposed on the wheel type treadmill and coupled to the roller shaft, detecting rotational speed of the roller shaft.

15. The exercise device as claimed in claim 12, further comprising an input device, coupled to the panel; and a processing unit, disposed in the panel to control the operation modes according to rotational speed.

16. The exercise device as claimed in claim 15, further comprising a controller, coupled to the processing unit and the wheel type treadmill, wherein when the processing unit receives a command from the input device, a signal is sent to a controller to control the wheel type treadmill.

1           17. The exercise device as claimed in claim 12,  
2 further comprising a personal display device, coupled to  
3 the panel.

4           18. The exercise device as claimed in claim 12,  
5 further comprise a display unit, coupled to the panel,  
6 receiving video information and displaying environmental  
7 simulation.